

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

EINARSSON et al.

Atty. Ref.: 2466-87

Serial No.

Group:

Filed: January 24, 2001

Examiner:

For: A METHOD AND AN APPARATUS FOR VIDEO MIXING OF BIT STREAMS

January 24, 2001

Assistant Commissioner for Patents
Washington, DC 20231

PRELIMINARY AMENDMENT

Sir:

In order to place the above-identified application in better condition for examination, please amend the application as follows:

IN THE CLAIMS:

Please cancel claims 1-13 and substitute therefore new claims 14-26 as follows:

14. A method of, in the compressed domain, forming a composed video image having a first format comprising a number of different original video images having a second format, when the original images are coded using an algorithm forming a video stream comprising a number of independent segments, characterized by the steps of:

composing the original video images having a second format into one image having the first format, and

inserting a segment header at the intersection between a first row of original images in the composed image and a second row of original images in the composed image.

15. A method according to claim 14, characterized by the additional step of:
performing a stepwise change of quantizer value at the cross-section between
adjacent original images in the composed image.
16. A method according to claim 14, characterized by the additional step of:
introducing a new segment header at the beginning of every line of the image.
17. A method according to claim 14, characterized by the additional step of:
recalculating any motion vectors being different between the first and second format.
18. A method according to claim 14, characterized in that the transmission
standard used is H.263 or MPEG-4.
19. A method according to claim 14, characterized in that the independent
segments are group of blocks (GOB).
20. A method according to claim 14, when the coding method used is H.263 and
supporting Annex T, characterized by the additional step of:
setting a new value in the macroblock at the cross-section between adjacent original
images in the composed image.
21. A method according to claim 14, when flexible type segments are available,
characterized in that segments corresponding to rows in the sub images are used.
22. A computer program, which when run on a computer, performs the method
according to claim 14.
23. An apparatus comprising means for, in the compressed domain, forming a
composed video image having a first format comprising a number of different original video
images having a second format, when the original images are coded using an algorithm
forming a video stream comprising a number of independent segments, characterized by:
means for composing the original video images having a second format into one
image having the first format, and

means for inserting a segment header at the intersection between a first row of original images in the composed image and a second row of original images in the composed image.

24. An apparatus according to claim 23, characterized by:

means for performing a stepwise change of quantizer value at the cross-section between adjacent original images in the composed image.

25. An apparatus according to claim 23, characterized by:

means for introducing a new segment header at the beginning of every line of the image.

26. An apparatus according to claim 23, characterized by:

means for recalculating any motion vectors being different between the first and second format.

REMARKS

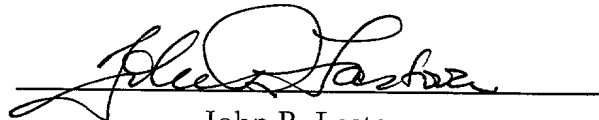
By the foregoing amendment, Applicant has cancelled claims 1-13 in favor of new claims 14-26.

Prompt and favorable examination on the merits is respectfully requested.

Respectfully submitted,

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